FIG. 1A

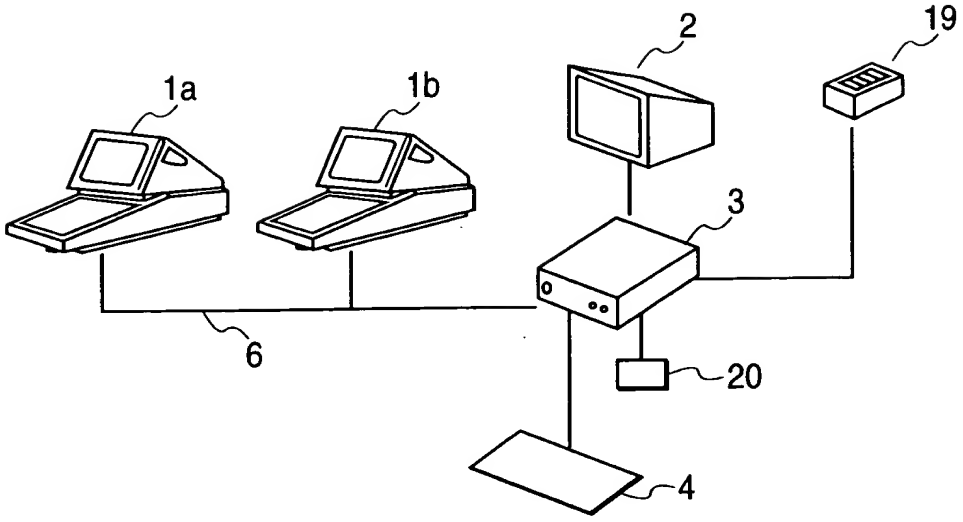

1a
1b
2
19
3
6
20
4

FIG. 1B

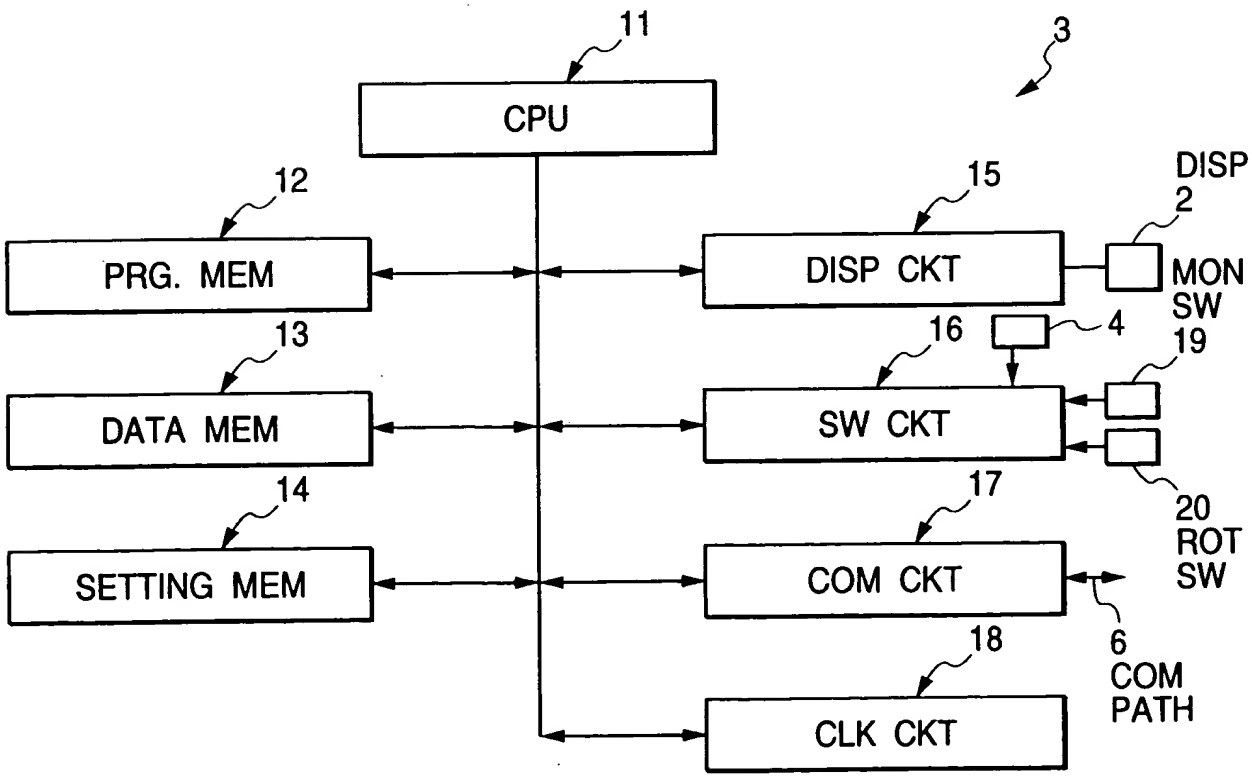

11
CPU
3
12
PRG. MEM
13
DATA MEM
14
SETTING MEM
15
DISP CKT
DISP
2
MON
SW
16
4
19
SW CKT
17
COM CKT
20
ROT
SW
6
COM
PATH
18
CLK CKT

FIG. 2

ARTICLE NAME (21)	PEAK TIME ZONE CONT CODE (22)
HAMBURGER	1
BIGBURGER	0
CHEESEBURGER	1
TERIYAKI	1
S FRY	1
M FRY	1
L FRY	1
S NUGGET	0
M NUGGET	0
L NUGGET	0

FIG. 3

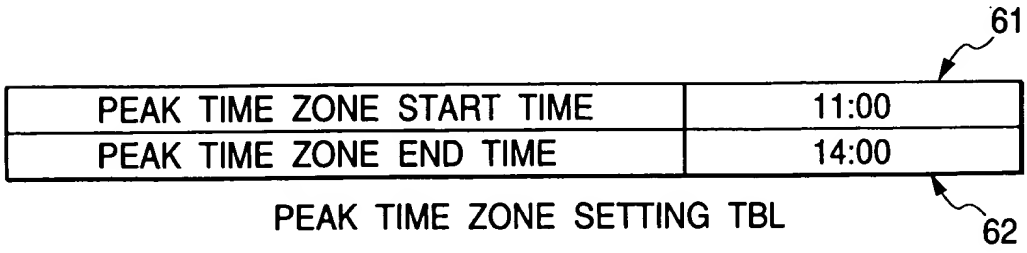
#0103	#0104	#0105	
2 HAMBURGER	2 M NUGGET	1 HAMBURGER	
2 CHEESEBURGER	1 S FRY	1 BIGBURGER	
1 L FRY	2 CHEESEBURGER	1 M FRY	
	1 HAMBURGER	1 S NUGGET	

SLOW TIME ZONE DISP IMAGE

FIG. 4

	Q-5	Q-10
HAMBURGER	1	2
CHEESEBURGER	1	1
TERIYAKI	0	2
S FRY	0	1
M FRY	1	2
L FRY	0	1

FIG. 6



PEAK TIME ZONE SETTING TBL

FIG. 5

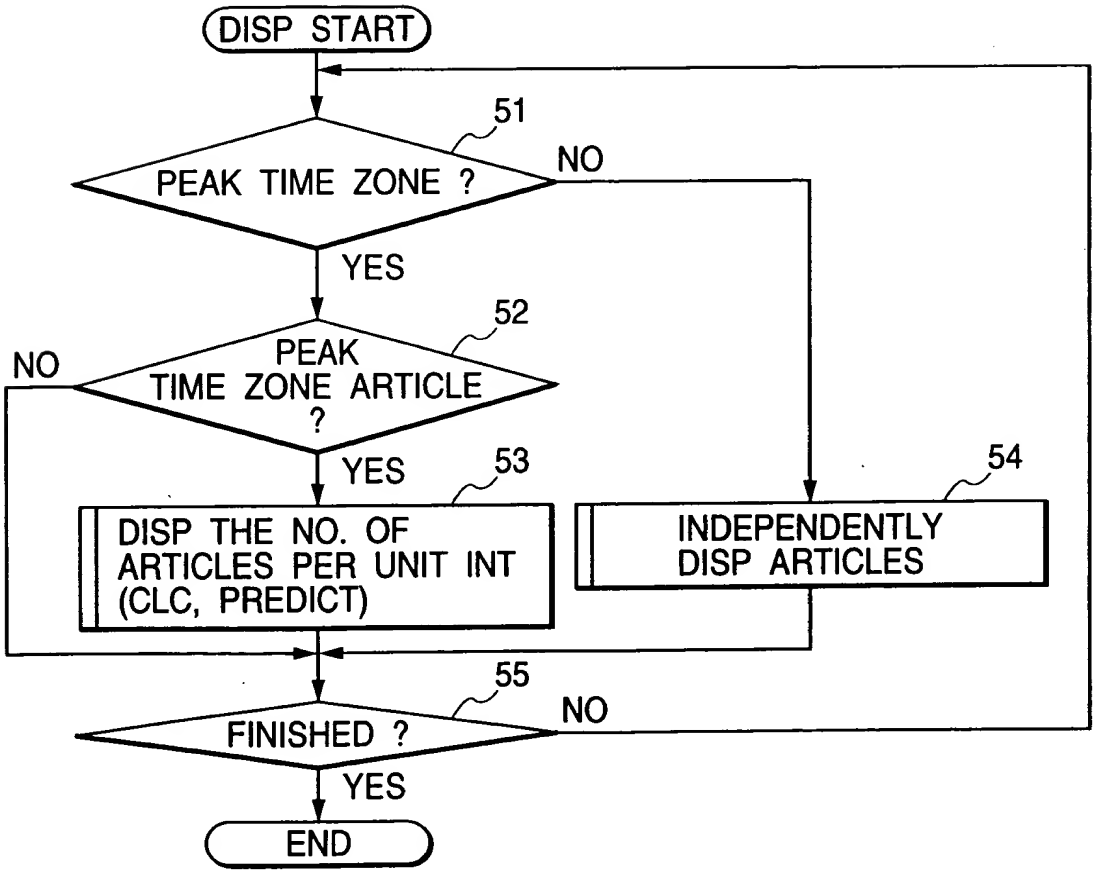

DISP START
51
PEAK TIME ZONE ?
NO
YES
52
PEAK TIME ZONE ARTICLE ?
NO
YES
53
DISP THE NO. OF ARTICLES PER UNIT INT (CLC, PREDICT)
54
INDEPENDENTLY DISP ARTICLES
55
FINISHED ?
NO
YES
END

FIG. 7

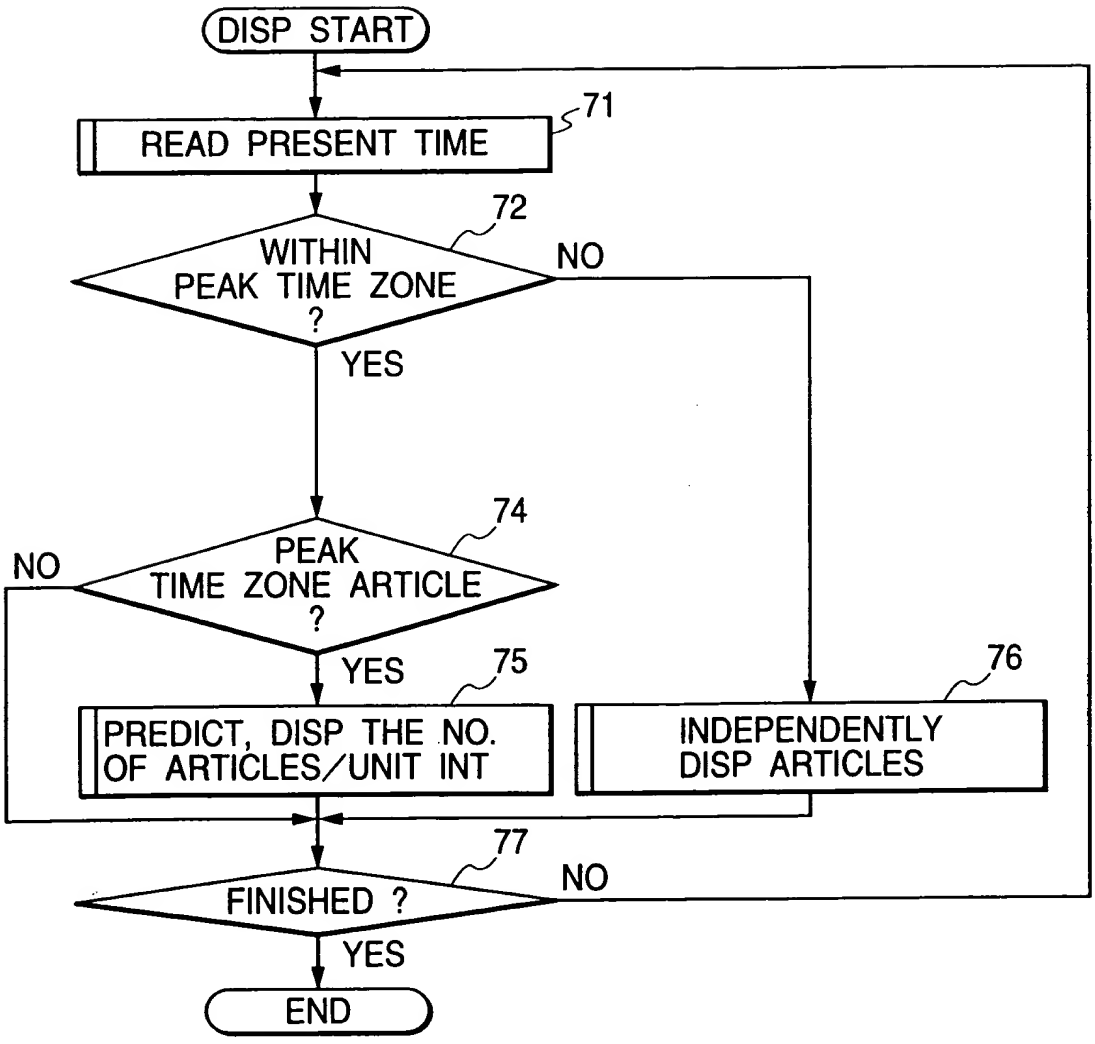

DISP START
READ PRESENT TIME
71
WITHIN PEAK TIME ZONE ?
72
NO
YES
PEAK TIME ZONE ARTICLE ?
74
NO
YES
PREDICT, DISP THE NO. OF ARTICLES/UNIT INT
75
INDEPENDENTLY DISP ARTICLES
76
FINISHED ?
77
NO
YES
END

FIG. 8

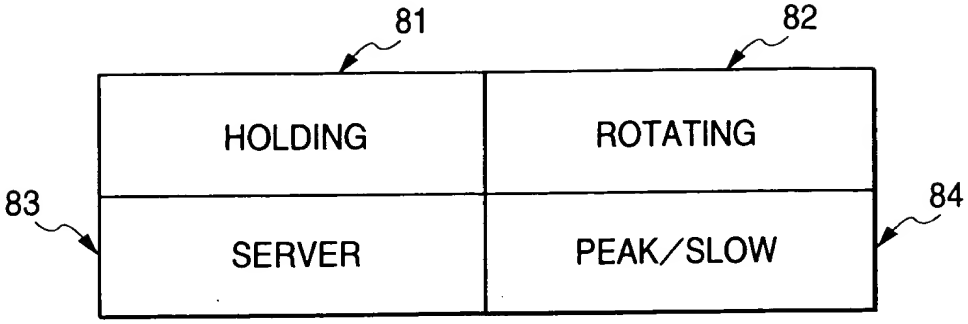

81
82
HOLDING
ROTATING
83
84
SERVER
PEAK/SLOW

FIG. 9

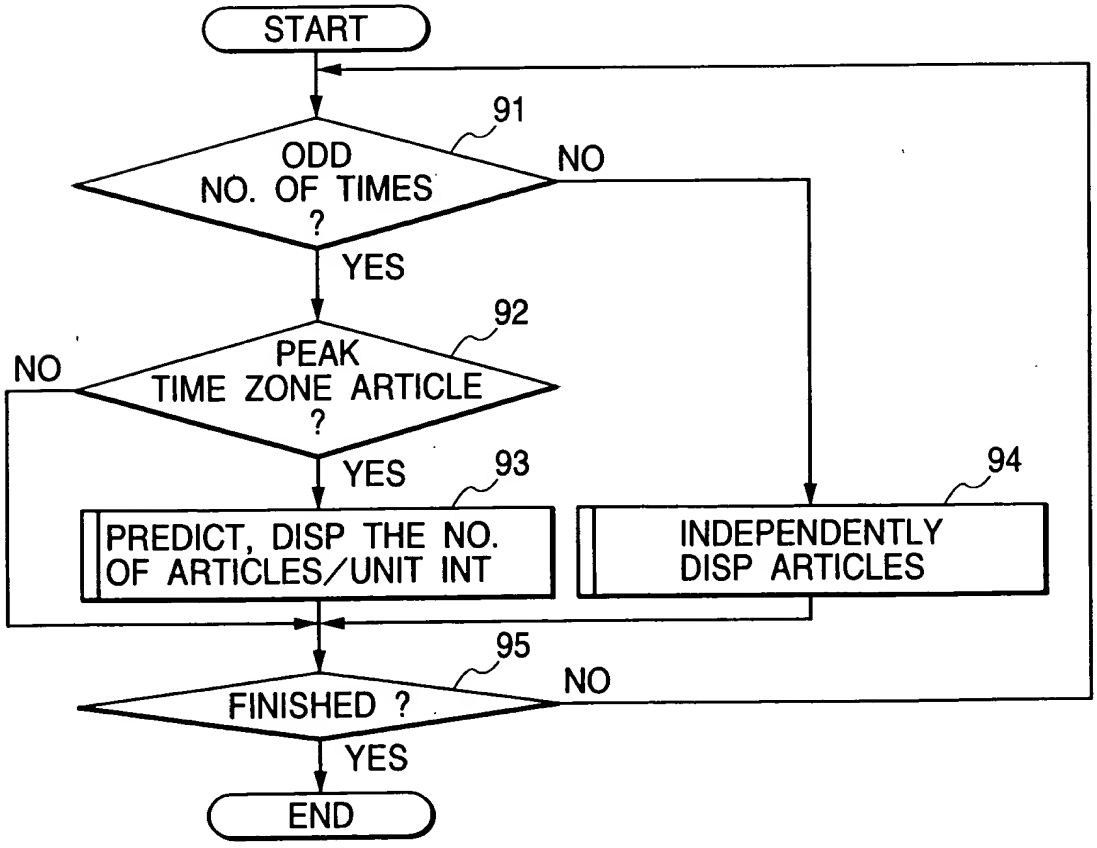

START
91
ODD NO. OF TIMES ?
NO
YES
92
PEAK TIME ZONE ARTICLE ?
NO
YES
93
94
PREDICT, DISP THE NO. OF ARTICLES/UNIT INT
INDEPENDENTLY DISP ARTICLES
95
FINISHED ?
NO
YES
END

FIG. 10

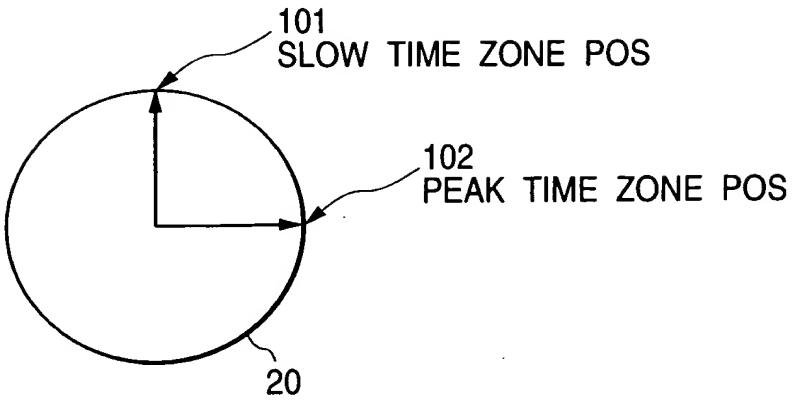

101
SLOW TIME ZONE POS
102
PEAK TIME ZONE POS
20

FIG. 11

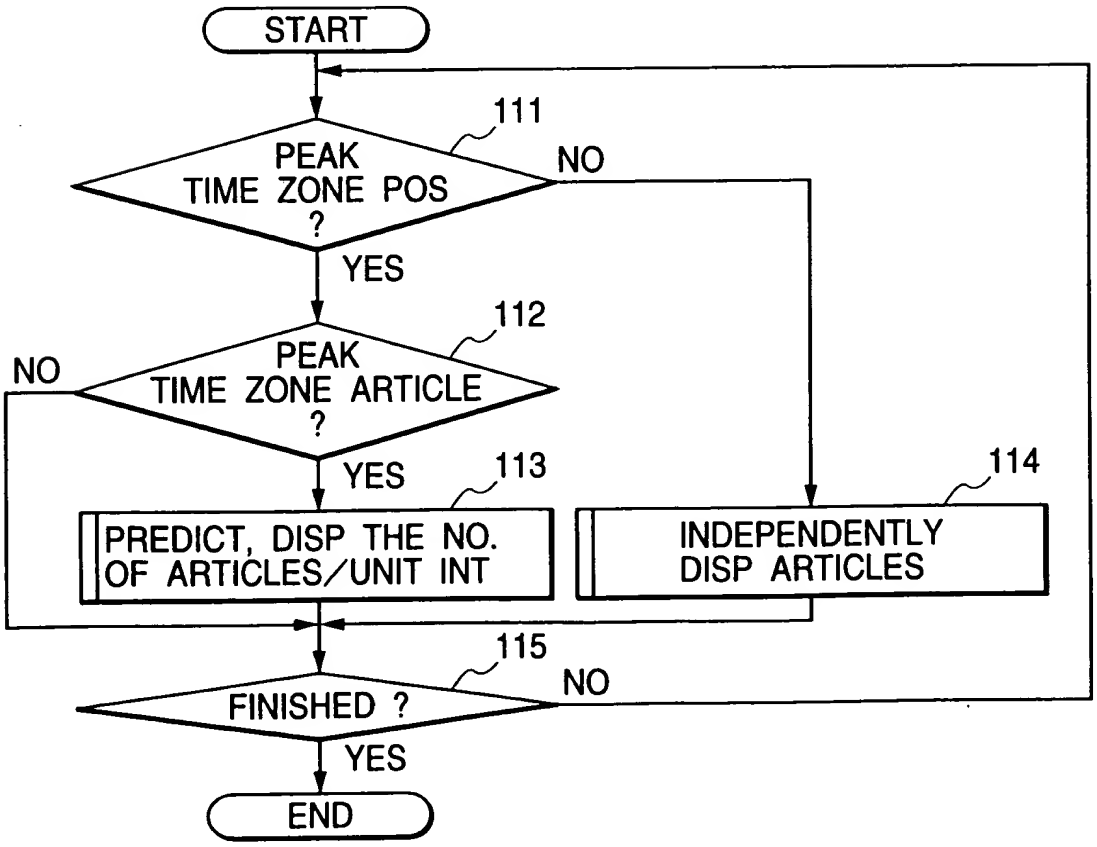

START
111
PEAK TIME ZONE POS ?
NO
YES
112
PEAK TIME ZONE ARTICLE ?
NO
YES
113
PREDICT, DISP THE NO. OF ARTICLES/UNIT INT
114
INDEPENDENTLY DISP ARTICLES
115
FINISHED ?
NO
YES
END

FIG. 12

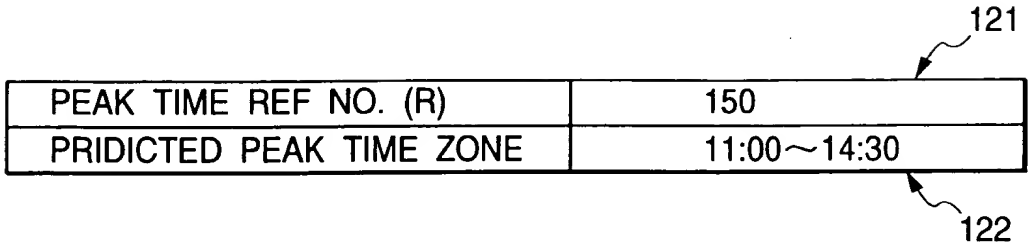

121
PEAK TIME REF NO. (R)
150
PRIDICTED PEAK TIME ZONE
11:00～14:30
122

FIG. 13

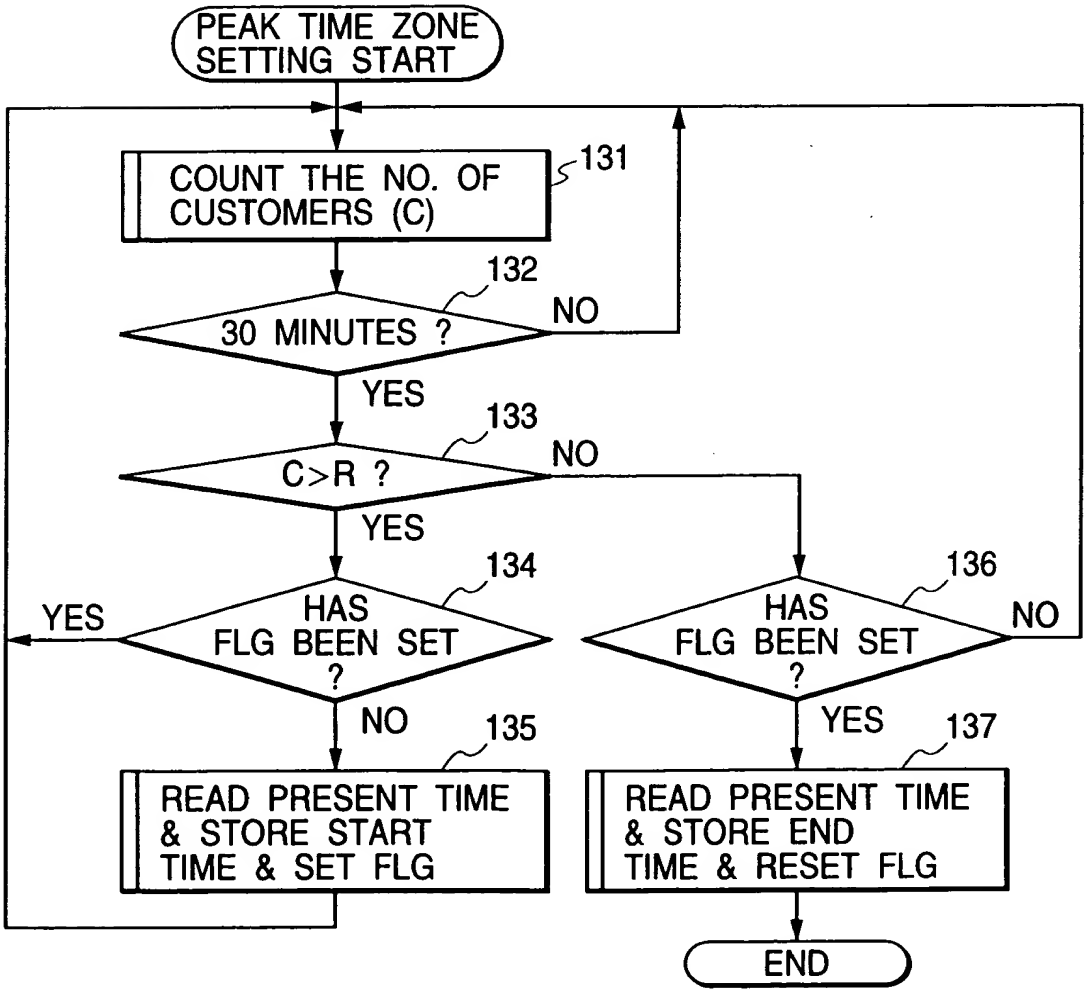

PEAK TIME ZONE SETTING START
COUNT THE NO. OF CUSTOMERS (C)
131
132
30 MINUTES ?
NO
YES
133
C>R ?
NO
YES
134
HAS FLG BEEN SET ?
YES
NO
135
READ PRESENT TIME & STORE START TIME & SET FLG
136
HAS FLG BEEN SET ?
NO
YES
137
READ PRESENT TIME & STORE END TIME & RESET FLG
END

FIG. 14

WEEKDAY PEAK TIME ZONE	11:30～13:30
HOLIDAY PEAK TIME ZONE	11:00～14:30

141

142

FIG. 15

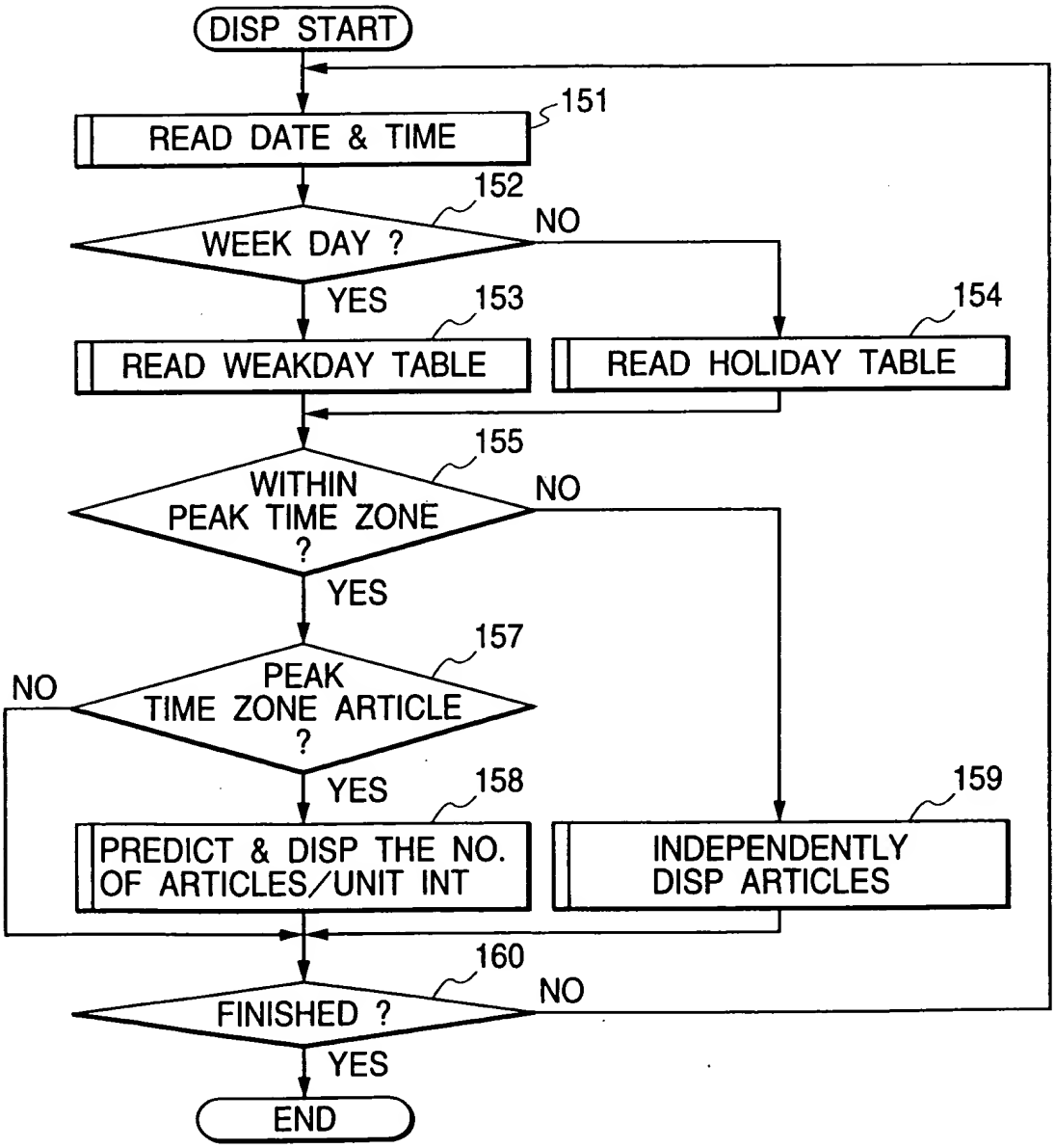


FIG. 16

REF NO. OF CUSTOMERS	150

FIG. 17

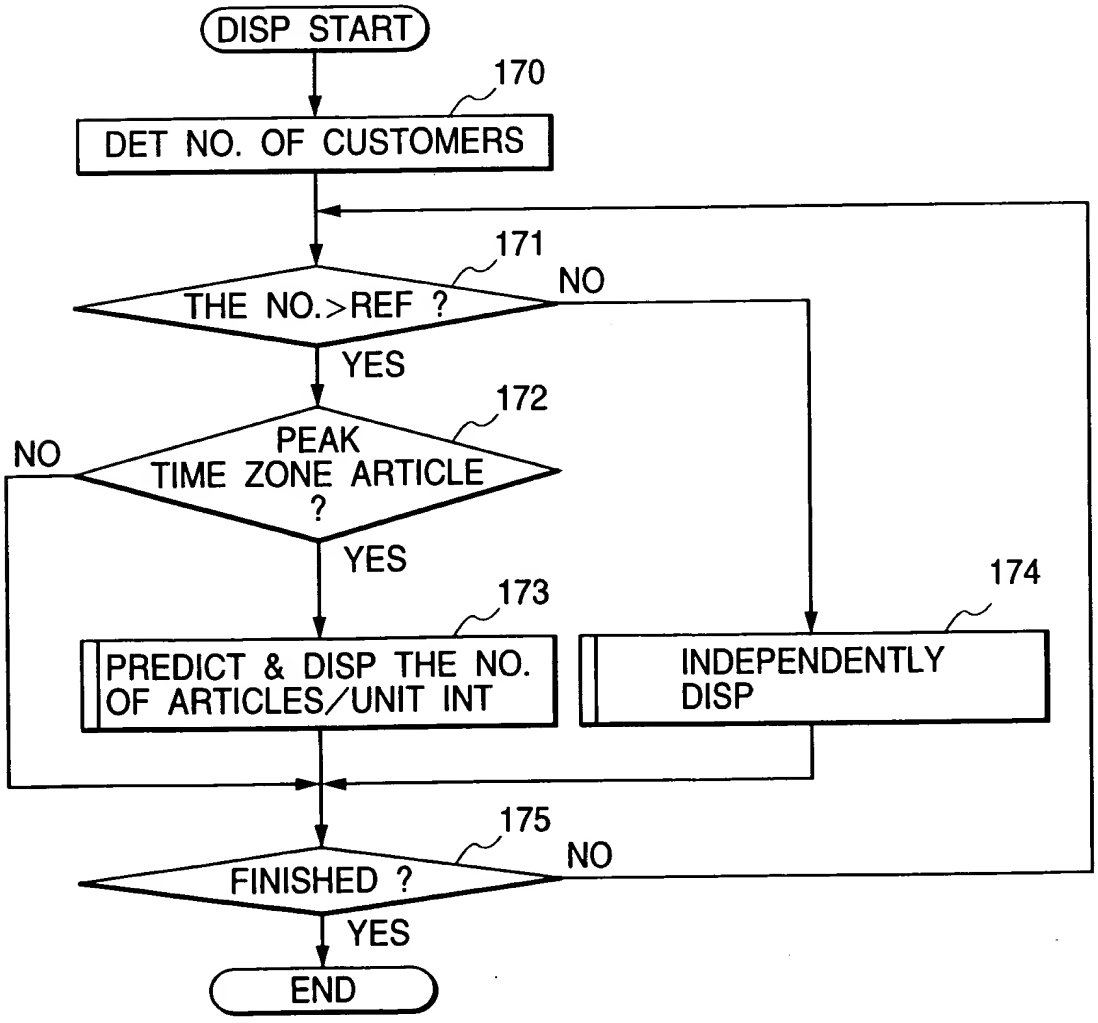


FIG. 18A

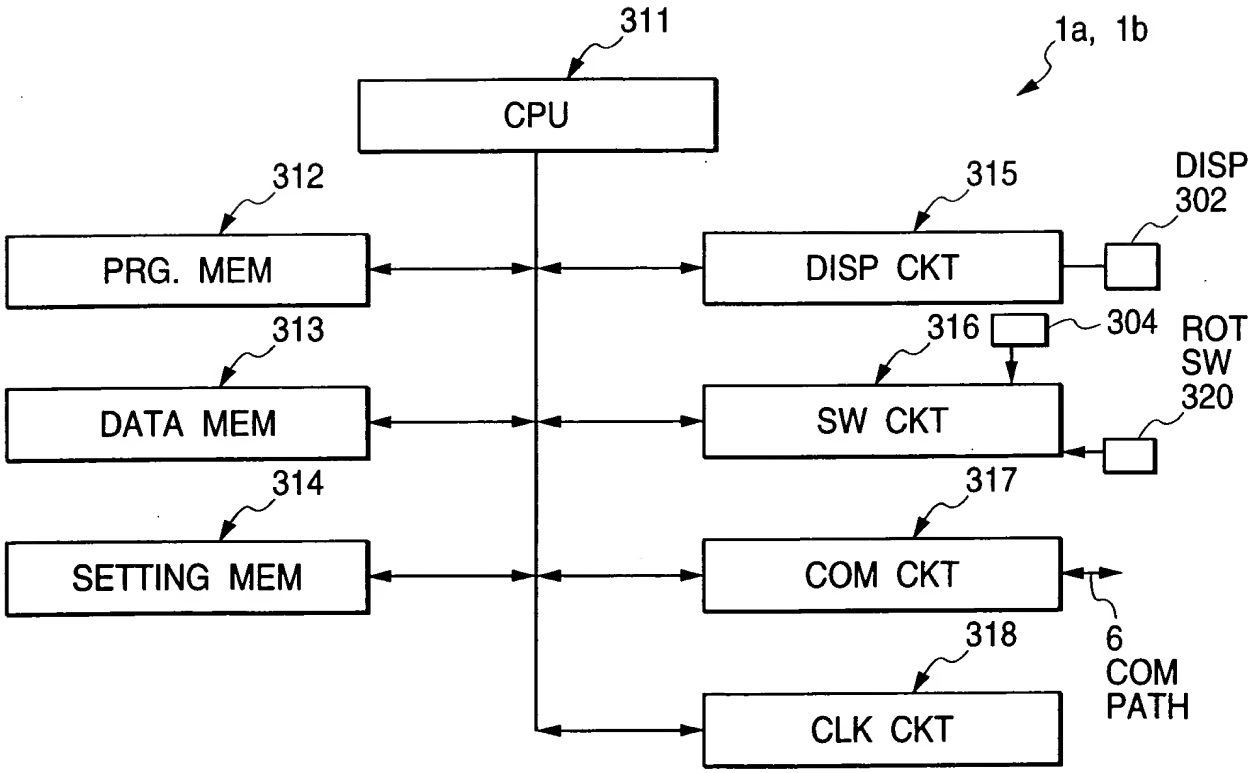

311
1a, 1b
CPU
312
315
DISP
302
PRG. MEM
DISP CKT
313
316
304
ROT
SW
320
DATA MEM
SW CKT
314
317
SETTING MEM
COM CKT
318
6
COM
PATH
CLK CKT

FIG. 18B

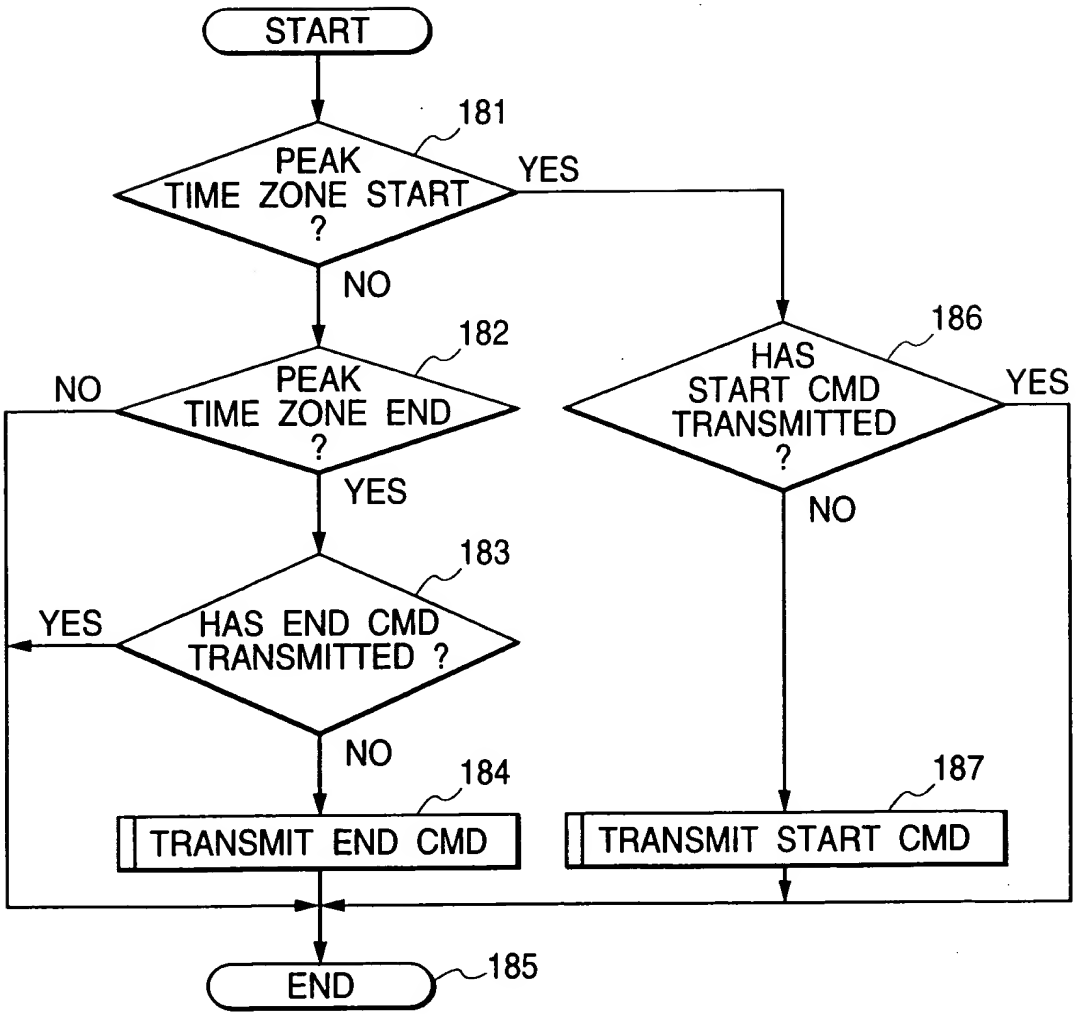

START
181
PEAK TIME ZONE START ?
YES
NO
182
PEAK TIME ZONE END ?
NO
YES
183
HAS END CMD TRANSMITTED ?
YES
NO
184
TRANSMIT END CMD
186
HAS START CMD TRANSMITTED ?
YES
NO
187
TRANSMIT START CMD
END
185

FIG. 19A

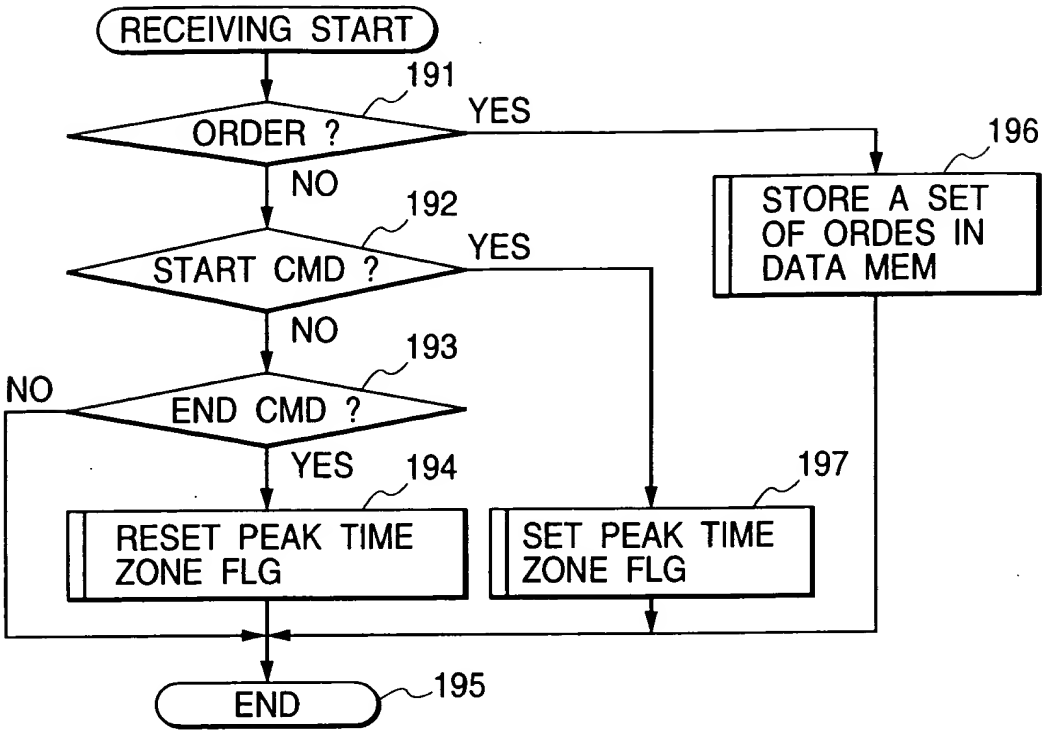


FIG. 19B

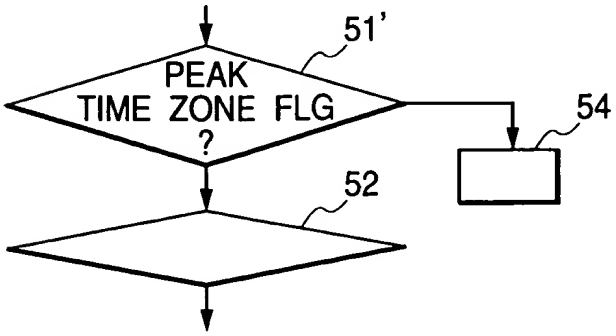


FIG. 20

THE NO. OF PENDING ORDERS	10

FIG. 21

#0115	#0116	#0117	#0118
2 HAMBURGER	2 M NUGGET	1 HAMBURGER	1 CHEESEBURGER
2 CHEESEBURGER	1 S FRY	1 BIGBURGER	2 M FRY
1 L FRY	2 CHEESEBURGER	1 M FRY	
	1 HAMBURGER	1 S NUGGET	
			211
			PENDING ORDER NO. 6

DISPLAY IMAGE AT SLOW CONDITION

FIG. 22

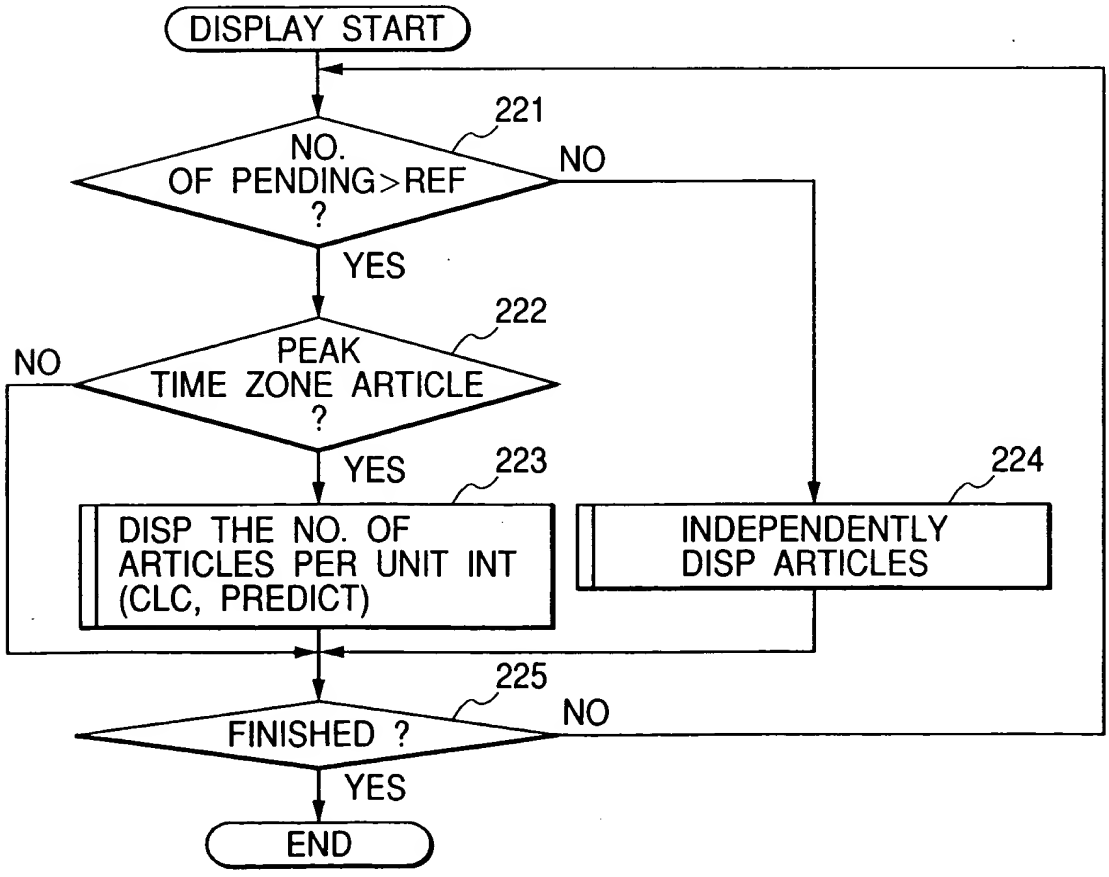


FIG. 23
PRIOR ART

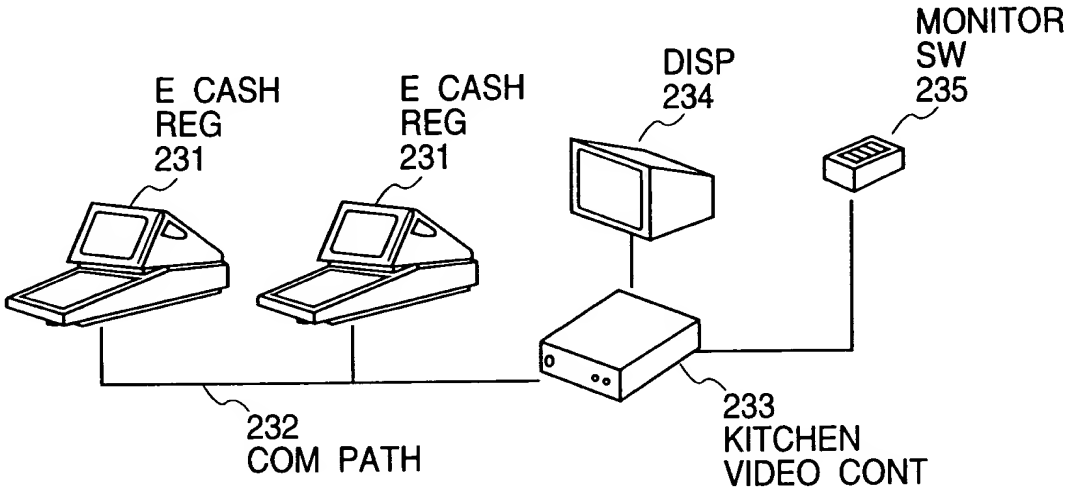


FIG. 24
PRIOR ART

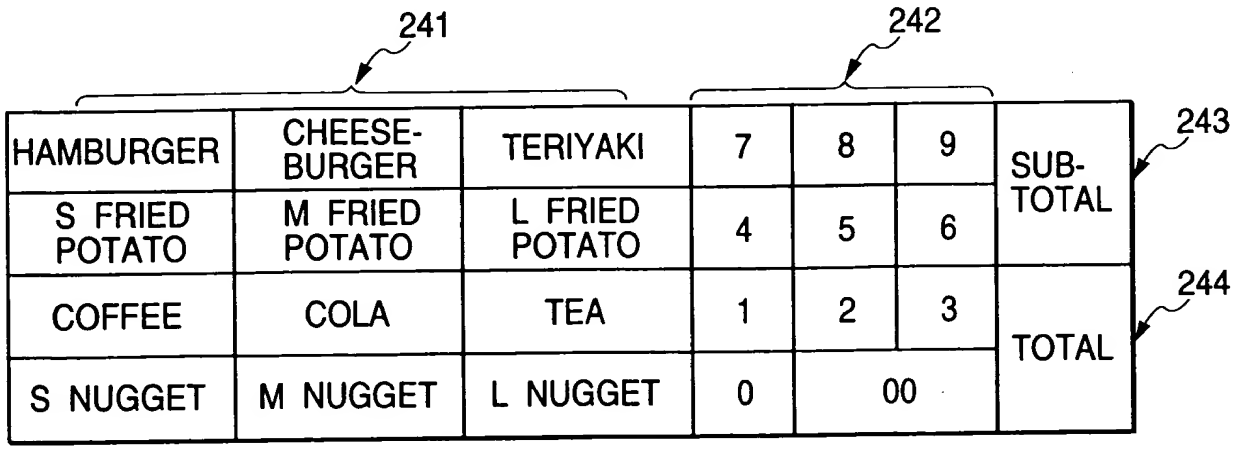


FIG. 25
PRIOR ART

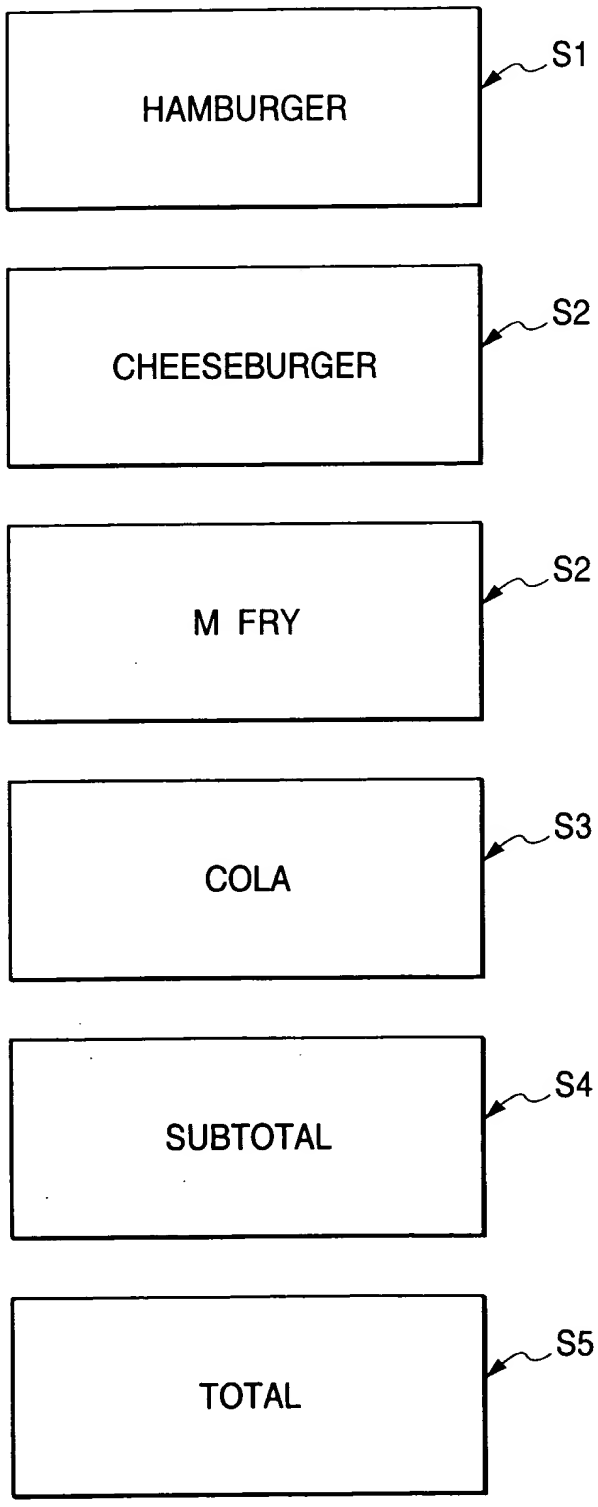


FIG. 26
PRIOR ART

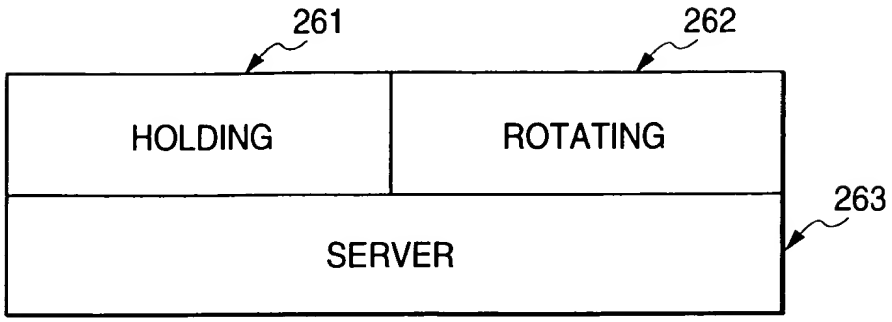


FIG. 27
PRIOR ART

271	272	273	
#0103	#0104	#0105	
2 HAMBURGER	2 NUGGET	1 HAMBURGER	
2 CHEESEBURGER	1 S FRY	1 CHEESEBURGER	
1 L FRY	2 CHEESEBURGER	1 M FRY	
3 TEA	1 HAMBURGER	1 COLA	
	2 COLA		

FIG. 28
PRIOR ART

#0104	#0105		
2 NUGGET	1 HAMBURGER		
1 S FRY	1 CHEESEBURGER		
2 CHEESEBURGER	1 M FRY		
1 HAMBURGER	1 COLA		
2 COLA			